

CMOS IMAGE SENSORS

Abstract of the Disclosure

A CMOS image sensor and method for making such a sensor includes a coating over the photosensing parts, wherein the coating performs a dual function. In fabrication, the coating prevents the formation of silicide, which is not optically opaque, on the photosensing parts. When the CMOS sensor is in use, the coating helps to couple light onto the photosensing parts, and therefore acts as an anti-reflective layer. The method of fabrication uses a self-aligning technique, which ensures pixel-to-pixel uniformity.